

BROOKE-G2-W

~50° wide beam compatible with LEDiL HEKLA.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 45.0 mm
Height	18.9 mm
Fastening	socket
ROHS compliant	yes ⓘ

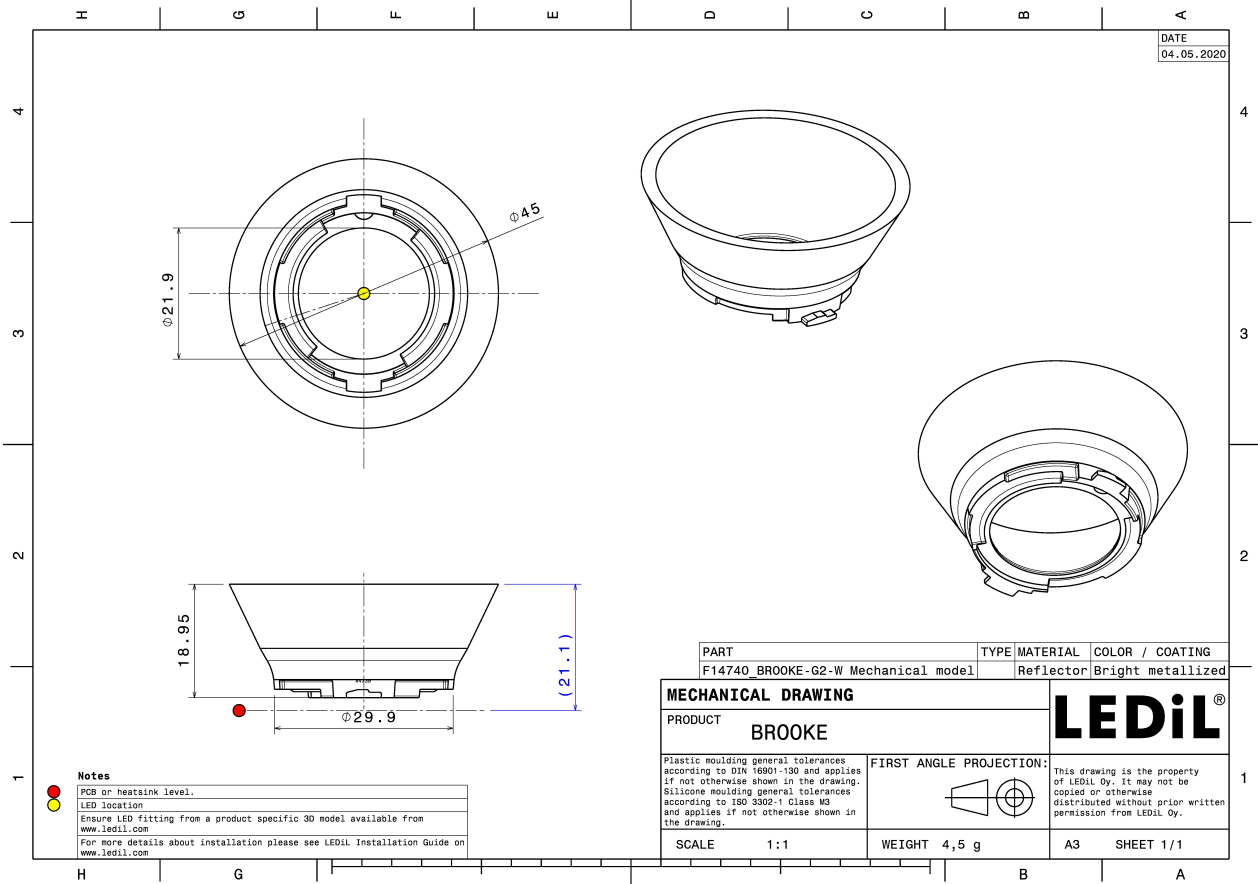
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish	Coating
BROOKE-G2-W	Reflector	PC	metal		lacquer




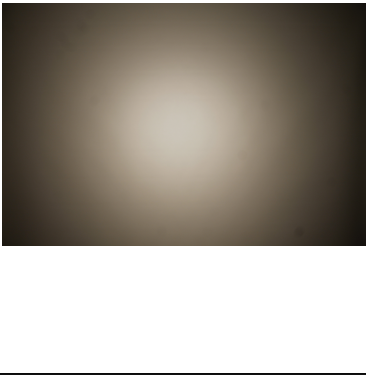
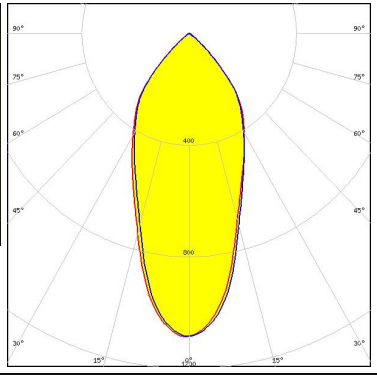


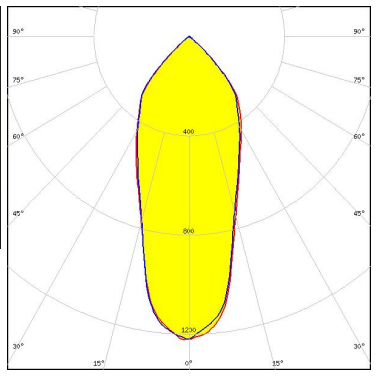


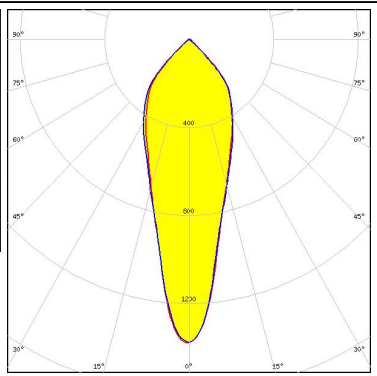

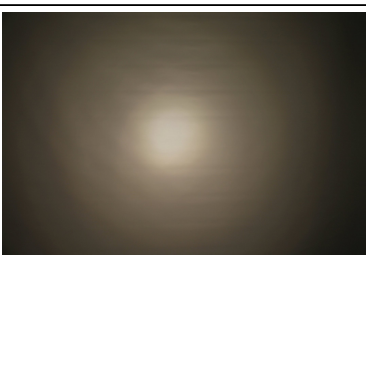
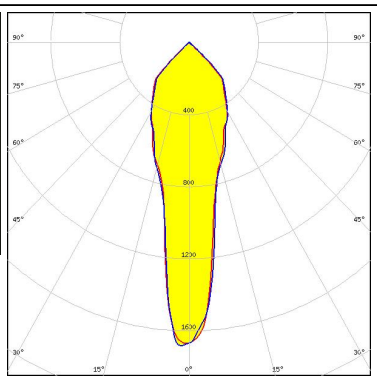
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14740_BROOKE-G2-W » Box size: 480 x 280 x 300 mm	720	45	45	5.2

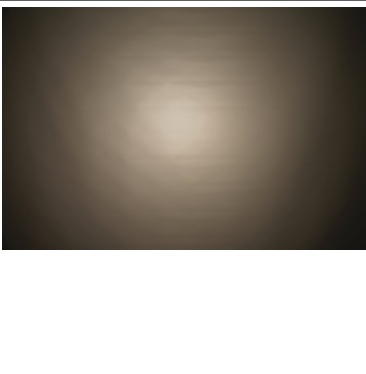
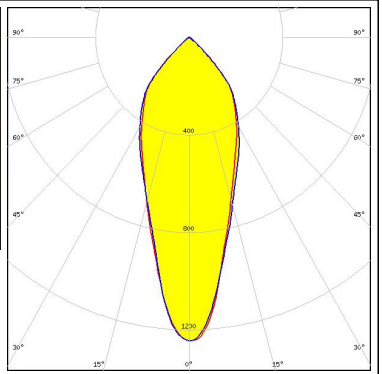
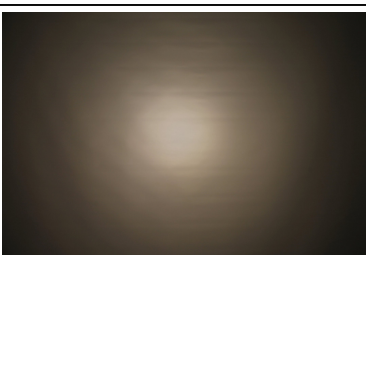
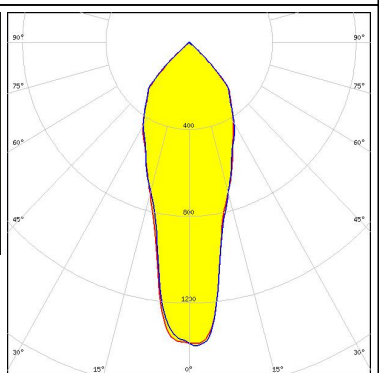
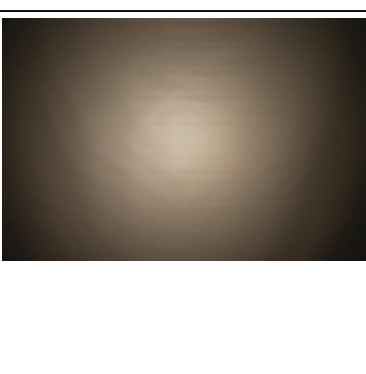
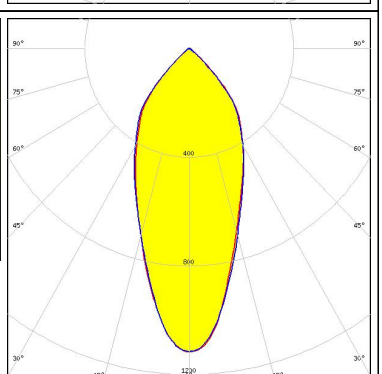
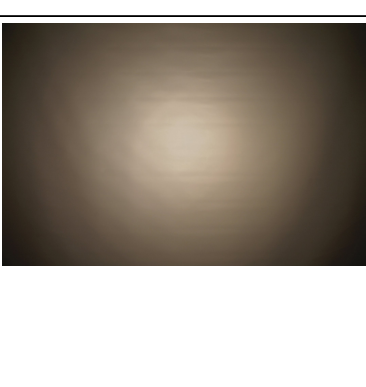
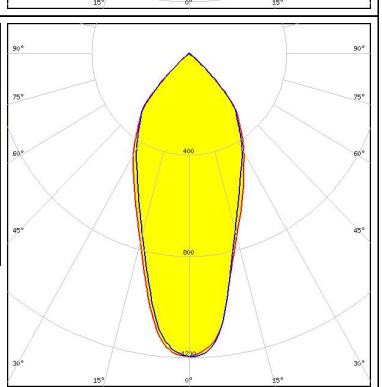


See also our general installation guide: www.ledil.com/installation_guide

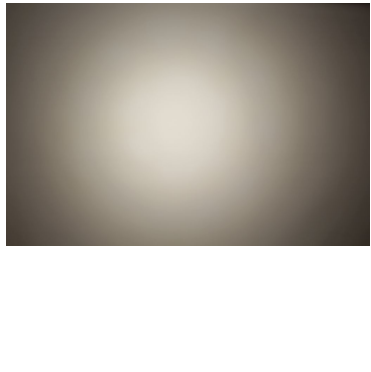
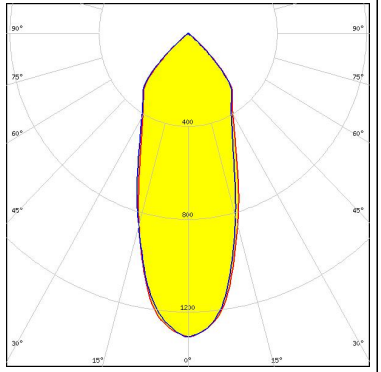

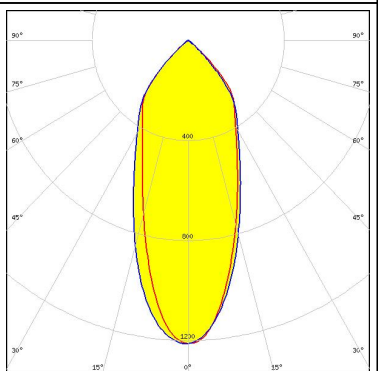
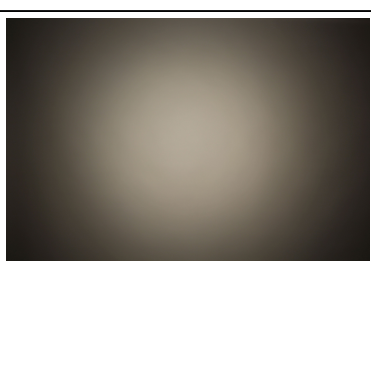
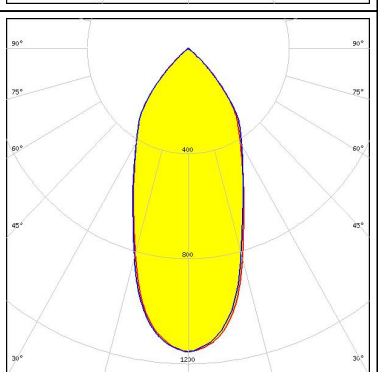
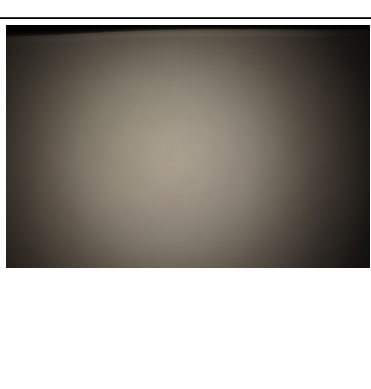
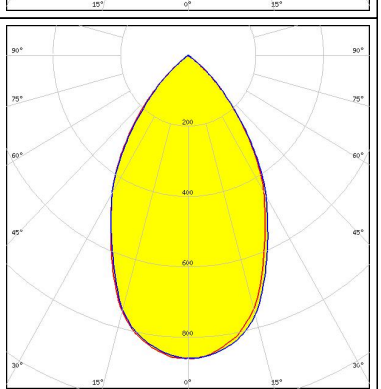
PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED V10 Gen7 FWHM / FWTM 44.0° / 94.0° Efficiency 88 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS</p>		
<p></p> <p>LED V10 Gen7 FWHM / FWTM 40.0° / 94.0° Efficiency 94 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p></p> <p>LED V4 HD FWHM / FWTM 30.0° / 92.0° Efficiency 89 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A C14658_BARBARA-RZ-LENS</p>		
<p></p> <p>LED V4 HD FWHM / FWTM 21.0° / 92.0° Efficiency 94 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>		



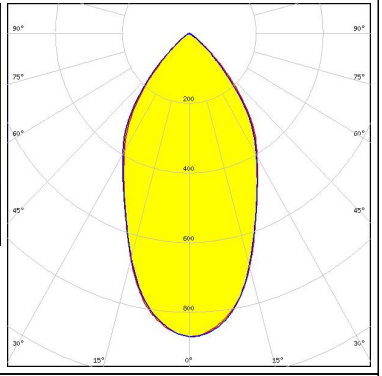

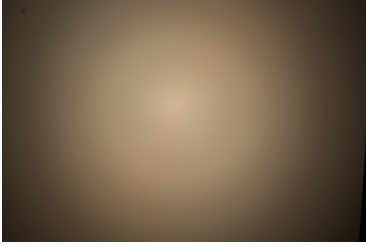
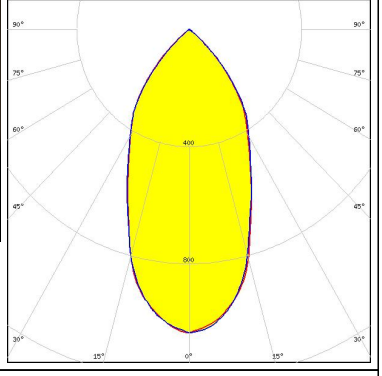

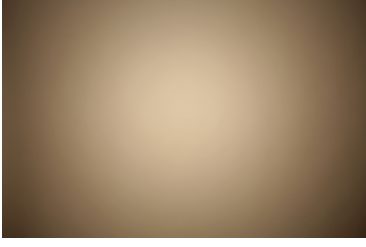
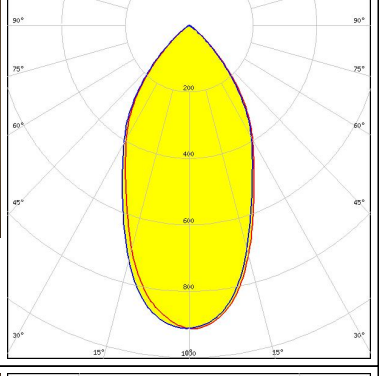


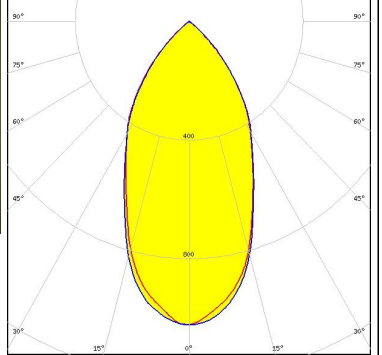
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V6 HD</p> <p>FWHM / FWTM 36.0° / 93.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>F15255_HEKLA-SOCKET-C</p> <p>C14658_BARBARA-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED V6 HD</p> <p>FWHM / FWTM 32.0° / 93.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>F15255_HEKLA-SOCKET-C</p>		
<p>bridgelux.</p> <p>LED V9 HD</p> <p>FWHM / FWTM 43.0° / 93.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>F15859_HEKLA-SOCKET-I</p> <p>C14658_BARBARA-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED V9 HD</p> <p>FWHM / FWTM 42.0° / 93.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>F15859_HEKLA-SOCKET-I</p>		

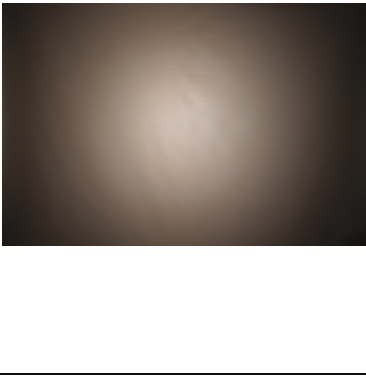
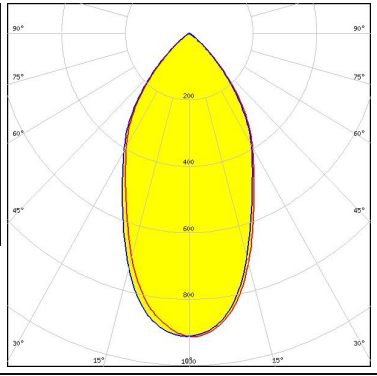

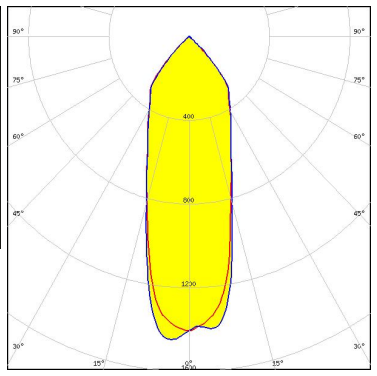

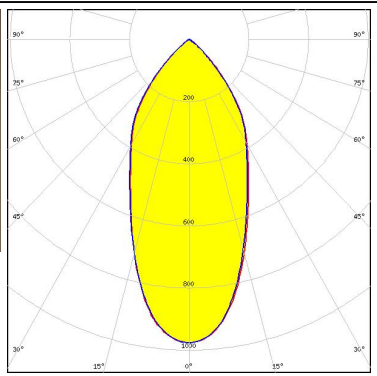
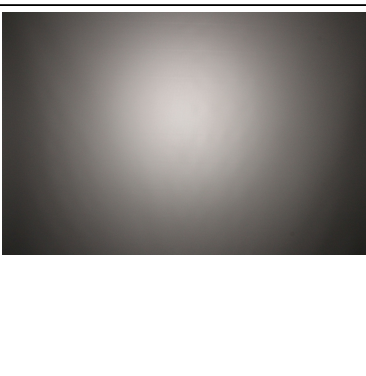

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO10 FWHM / FWTM 39.0° / 94.0° Efficiency 94 % Peak intensity 1.3 cd/m LEDs/each optic 1 Light colour White Required components: F15616_HEKLA-SOCKET-F</p>		
<p>bridgelux.</p> <p>LED VERO10 FWHM / FWTM 41.0° / 94.0° Efficiency 92 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: F15616_HEKLA-SOCKET-F C14658_BARBARA-RZ-LENS</p>		
<p>bridgelux.</p> <p>LED VERO13 FWHM / FWTM 44.0° / 92.0° Efficiency 90 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K</p>		
<p>bridgelux.</p> <p>LED VERO18 FWHM / FWTM 62.0° / 97.0° Efficiency 89 % Peak intensity 0.9 cd/m LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K</p>		

PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED Vesta DTW 13mm (21W) FWHM / FWTM 55.0° / 96.0° Efficiency 83 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 491 Typ L8</p>		
<p></p> <p>LED Vesta DTW 13mm (21W) FWHM / FWTM 50.0° / 94.0° Efficiency 89 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8</p>		
<p></p> <p>LED Vesta DTW 15mm (33W) FWHM / FWTM 53.0° / 95.0° Efficiency 83 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 491 Typ L8</p>		
<p></p> <p>LED Vesta DTW 15mm (33W) FWHM / FWTM 52.0° / 93.0° Efficiency 89 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8</p>		

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED Vesta DTW 9mm (4W/6W/12W)</p> <p>FWHM / FWTM 41.0° / 92.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 490 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta DTW 9mm (4W/6W/12W)</p> <p>FWHM / FWTM 34.0° / 89.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta TW 13mm (25W) CSP</p> <p>FWHM / FWTM 48.0° / 94.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 492 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta TW 6mm DP</p> <p>FWHM / FWTM 36.0° / 92.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 504 Typ L8</p>		

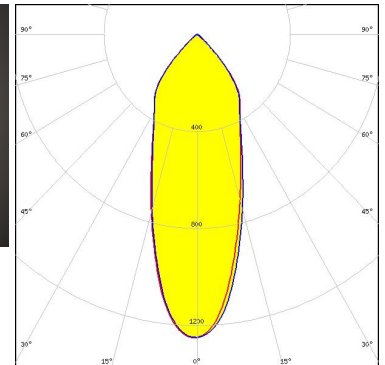
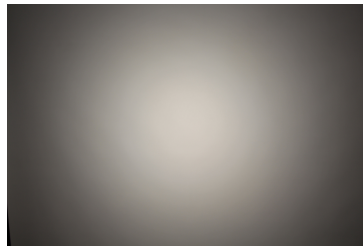
PHOTOMETRIC DATA (MEASURED):



LED Vesta TW 6mm DP
 FWHM / FWTM 27.0° / 89.0°
 Efficiency 89 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 504 Typ L8

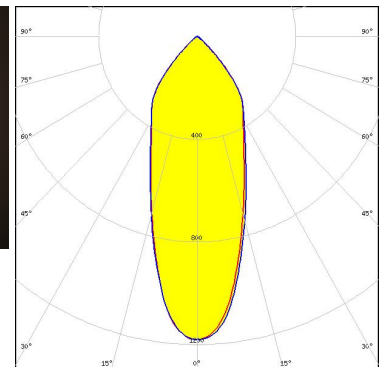
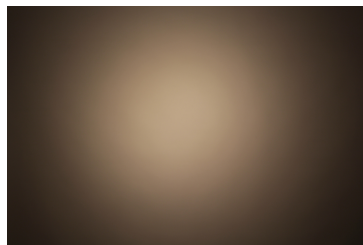


LED Vesta TW 9mm (12W) CSP
 FWHM / FWTM 36.0° / 90.0°
 Efficiency 84 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 489 Typ L8



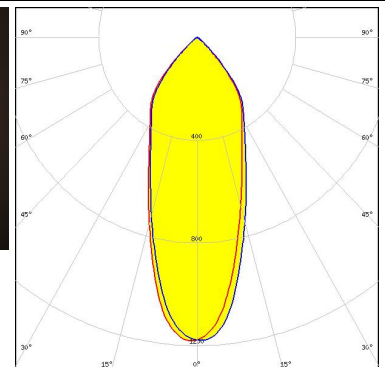
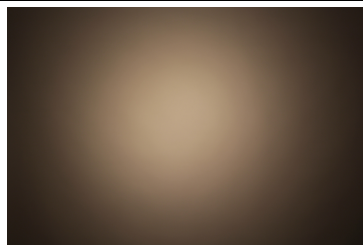
CITIZEN

LED CLC020 Series (Dim-To-Warm)
 FWHM / FWTM 38.0° / 91.0°
 Efficiency 83 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 487 Typ L8



CITIZEN

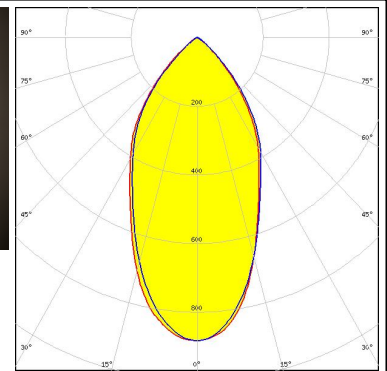
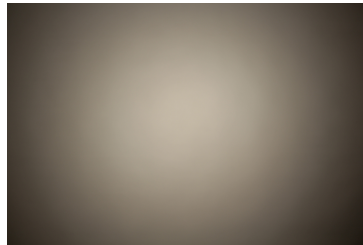
LED CLC020 Series (Dim-To-Warm)
 FWHM / FWTM 38.0° / 91.0°
 Efficiency 83 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 487 Typ L8



PHOTOMETRIC DATA (MEASURED):

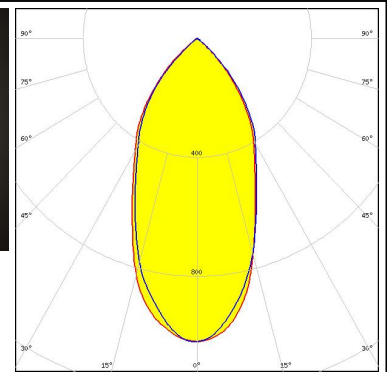
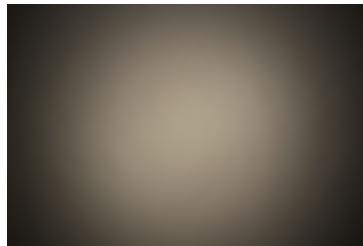
CITIZEN

LED CLC030 Series (Dim-To-Warm)
 FWHM / FWTM 53.0° / 96.0°
 Efficiency 81 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 436 Typ L8



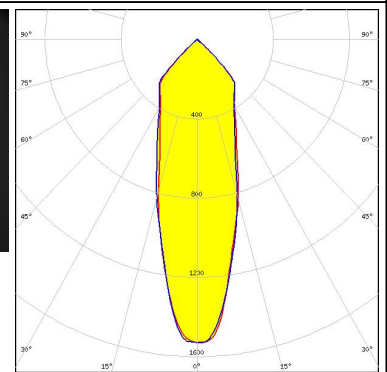
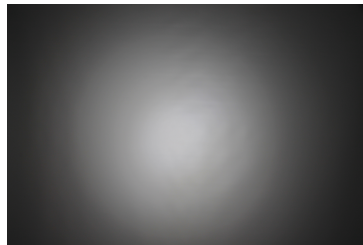
CITIZEN

LED CLC030 Series (Dim-To-Warm)
 FWHM / FWTM 49.0° / 94.0°
 Efficiency 87 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K



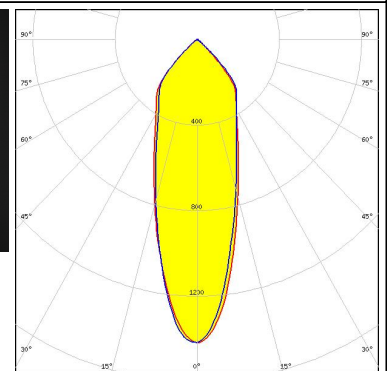
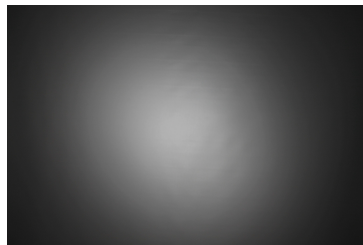
CITIZEN

LED CLU700/701/702
 FWHM / FWTM 32.0° / 93.0°
 Efficiency 94 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



CITIZEN

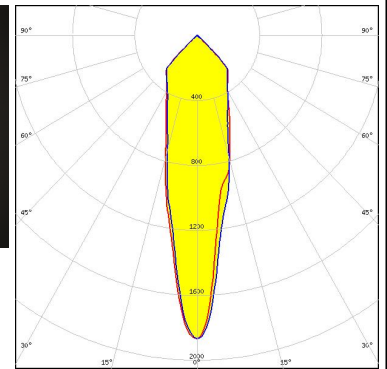
LED CLU700/701/702
 FWHM / FWTM 33.0° / 91.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



PHOTOMETRIC DATA (MEASURED):

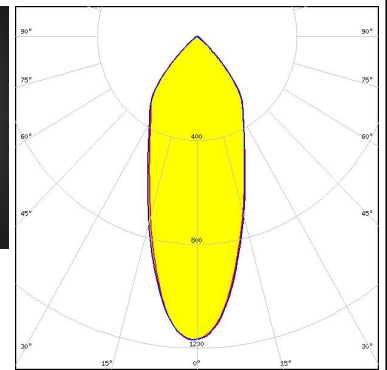
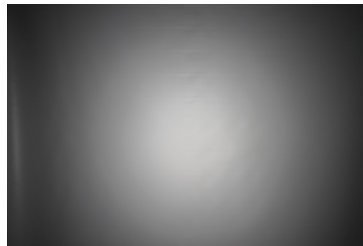
CITIZEN

LED CLU7A2 (LES 4.2mm)
 FWHM / FWTM 24.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



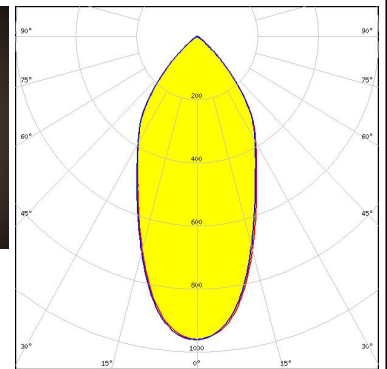
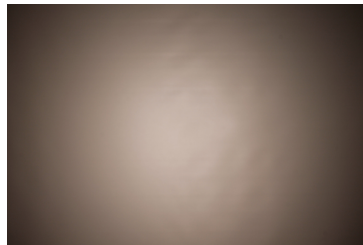
CITIZEN

LED LCN-C01B (Tunable White)
 FWHM / FWTM 38.0° / 92.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 481 Typ L8



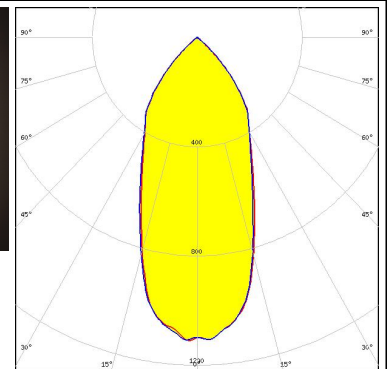
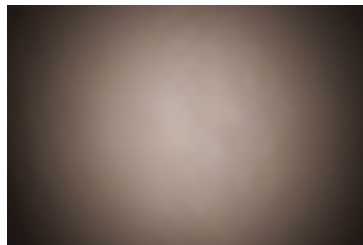
CITIZEN

LED LCN-C02B (Tunable White)
 FWHM / FWTM 48.0° / 95.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 481 Typ L8



CITIZEN

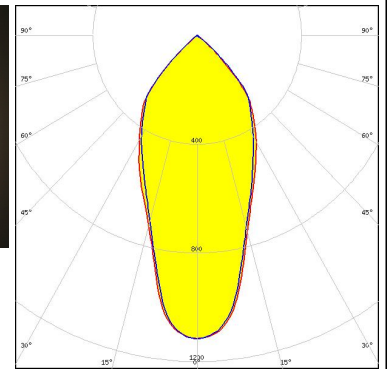
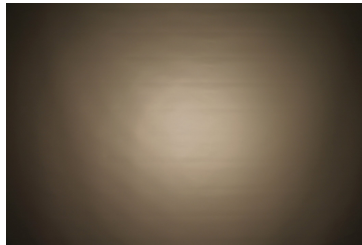
LED LCN-C02B (Tunable White)
 FWHM / FWTM 45.0° / 92.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K



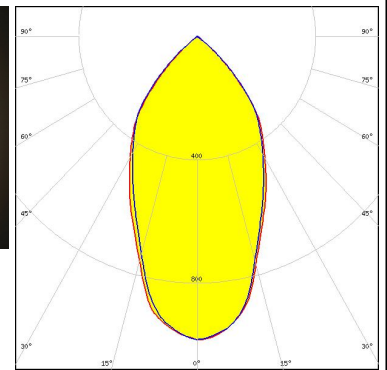
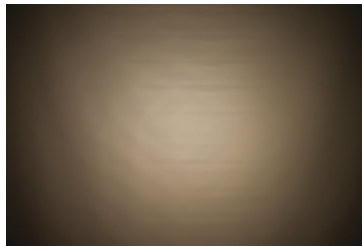
PHOTOMETRIC DATA (MEASURED):



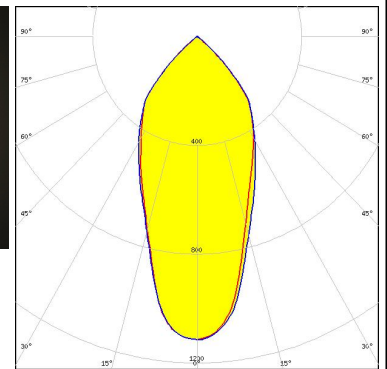
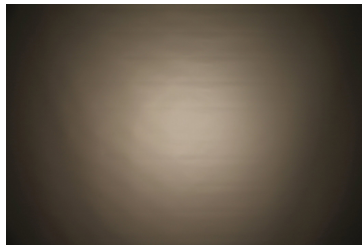
LED CMA1516
 FWHM / FWTM 45.0° / 95.0°
 Efficiency 93 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



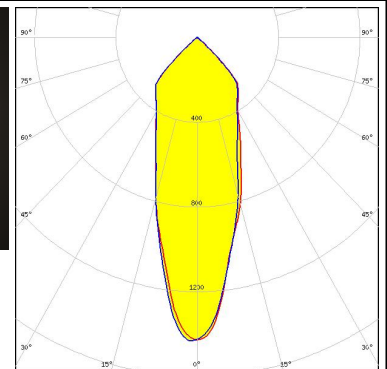
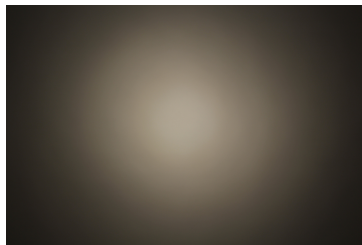
LED CMA1825
 FWHM / FWTM 55.0° / 97.0°
 Efficiency 93 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



LED CMT14xx
 FWHM / FWTM 45.0° / 95.0°
 Efficiency 93 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



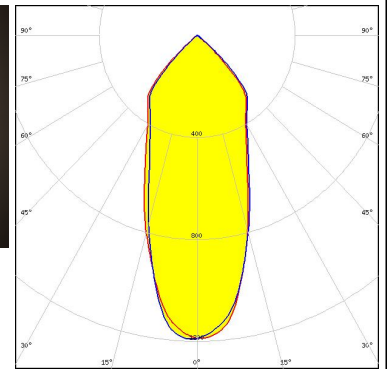
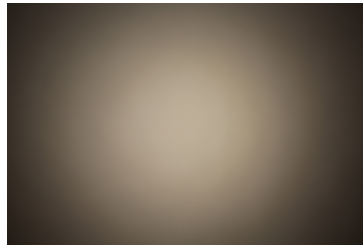
LED CXA/B 13xx
 FWHM / FWTM 34.0° / 94.0°
 Efficiency 94 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15956_HEKLA-SOCKET-J



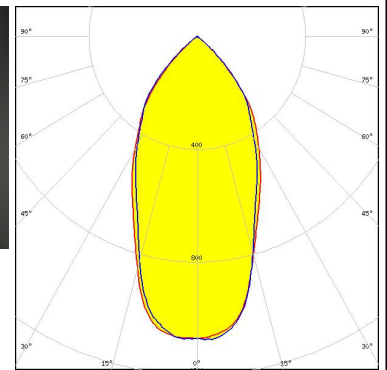
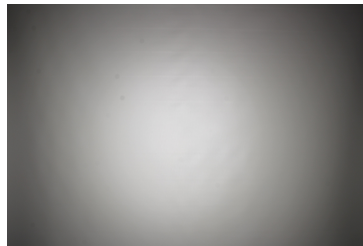
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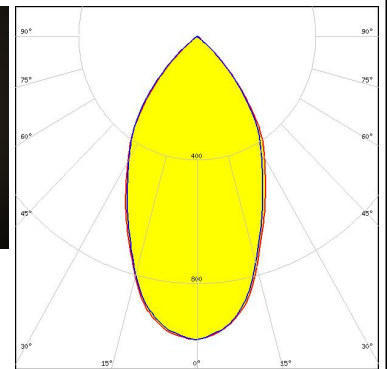
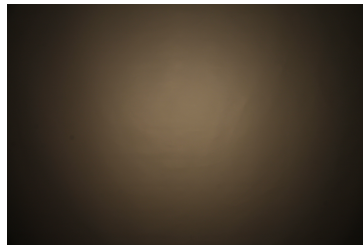
LED CXA/B 15xx
 FWHM / FWTM 41.0° / 95.0°
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



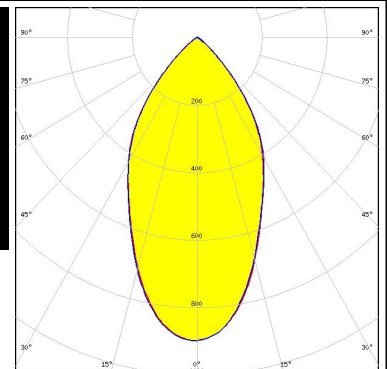
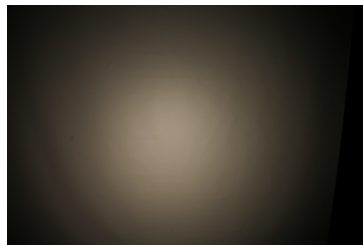
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 51.0° / 95.0°
 Efficiency 94 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D




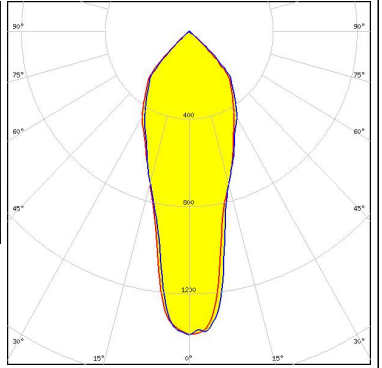
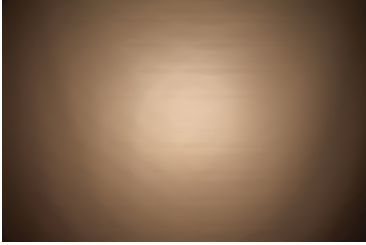
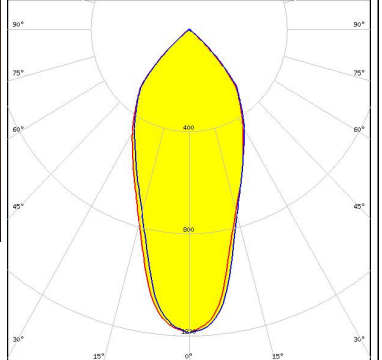
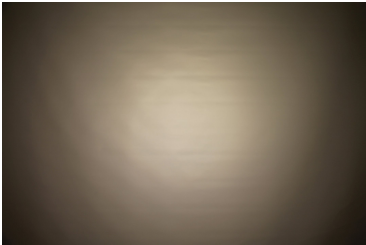
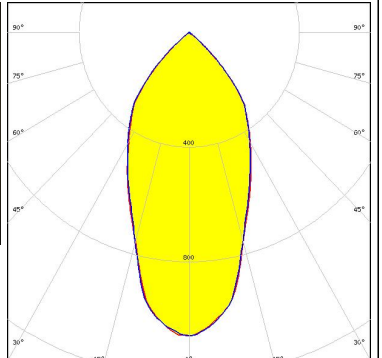
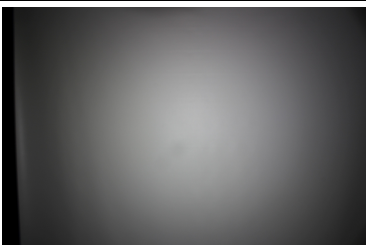
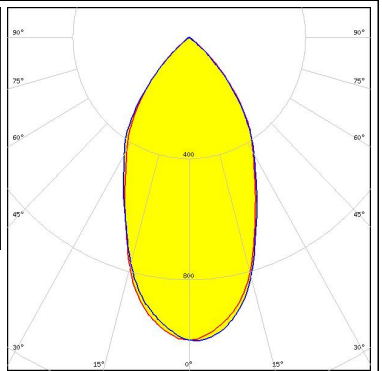
LED LUXEON CX Plus CoB L08 (Gen2)
 FWHM / FWTM 55.0° / 95.0°
 Efficiency 92 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 637a Hekla




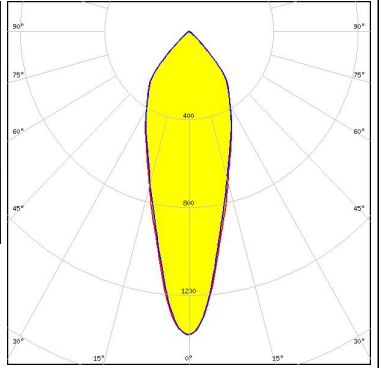

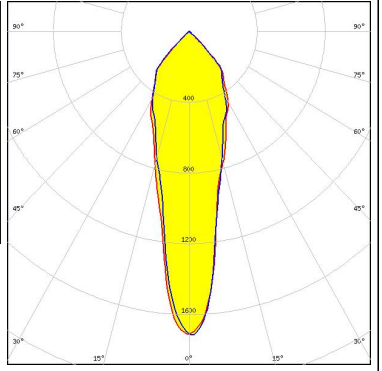
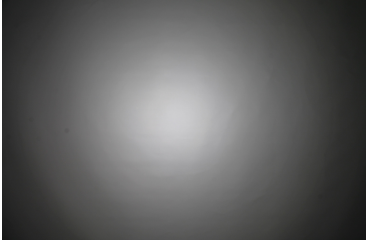
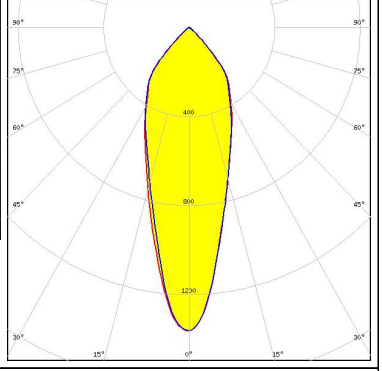

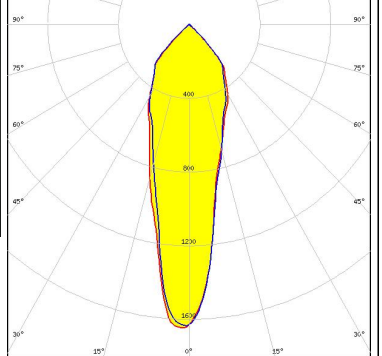
LED LUXEON CX Plus CoB L08 (Gen2)
 FWHM / FWTM 55.0° / 95.0°
 Efficiency 84 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 637a Hekla



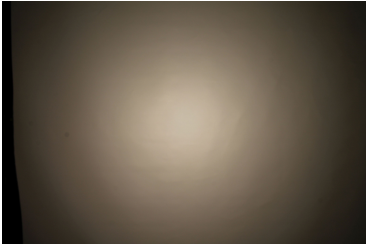
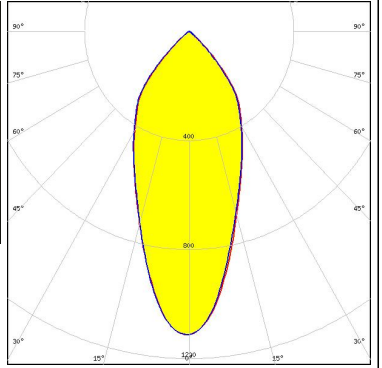
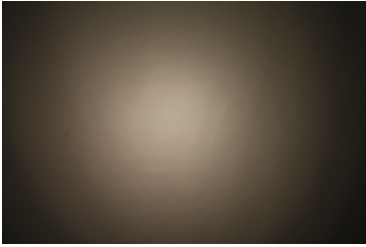
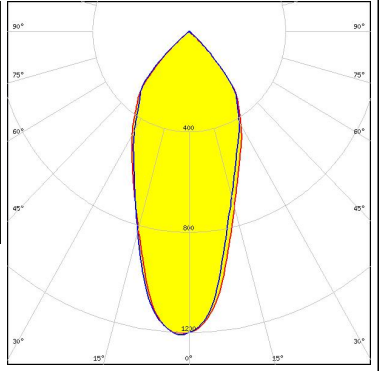
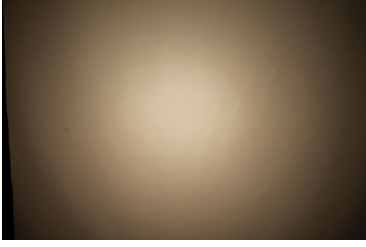
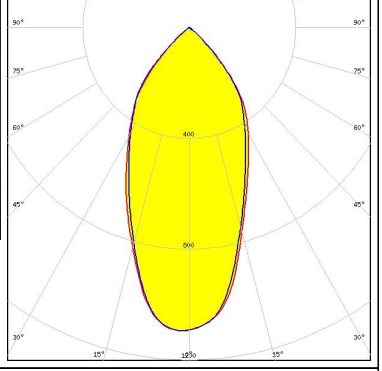
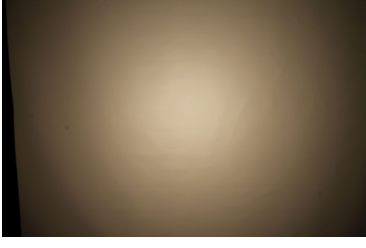
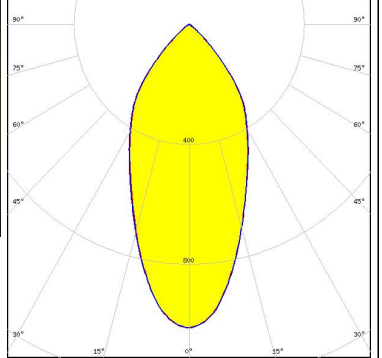
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1202HD</p> <p>FWHM / FWTM 32.0° / 93.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15848_HEKLA-SOCKET-G</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1204HD</p> <p>FWHM / FWTM 44.0° / 94.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1205HD</p> <p>FWHM / FWTM 50.0° / 95.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1208</p> <p>FWHM / FWTM 54.0° / 95.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632a Hekla XL</p>		


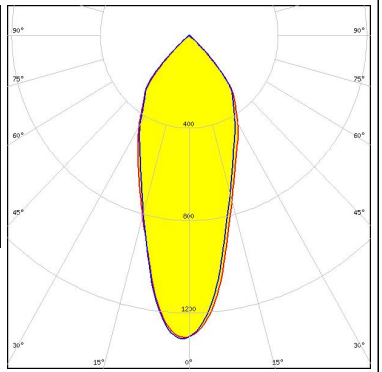

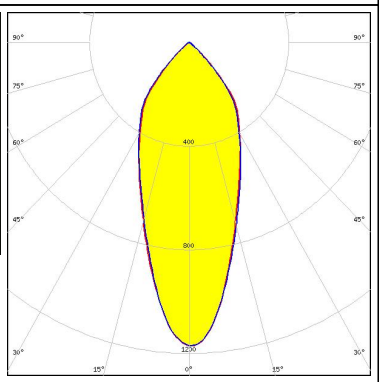

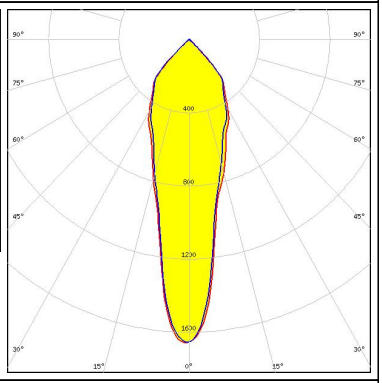

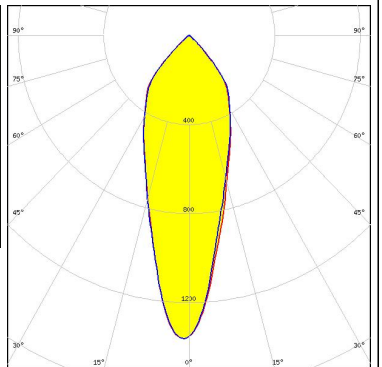
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S01H4</p> <p>FWHM / FWTM 32.0° / 90.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14658_BARBARA-RZ-LENS Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S01H4</p> <p>FWHM / FWTM 25.0° / 90.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6</p> <p>FWHM / FWTM 32.0° / 90.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14658_BARBARA-RZ-LENS Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6</p> <p>FWHM / FWTM 27.0° / 90.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		


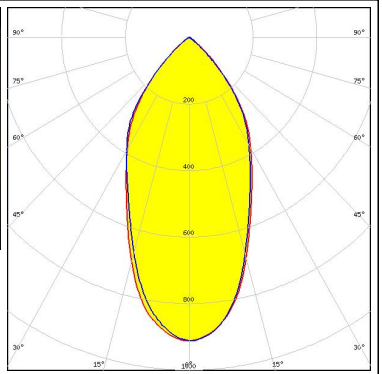
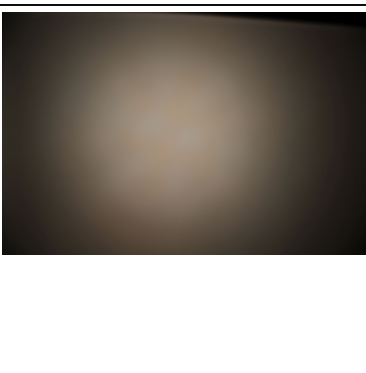
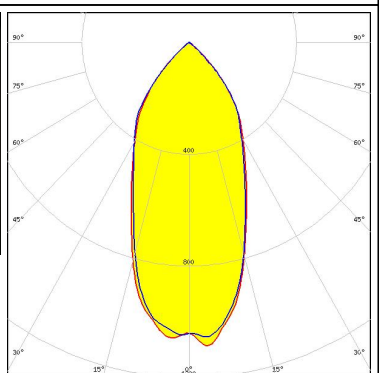

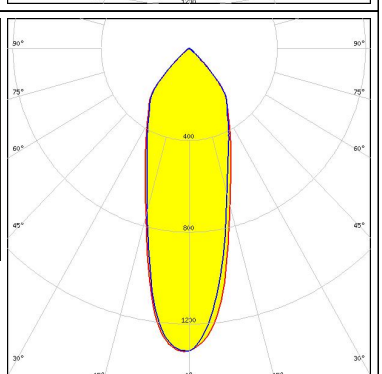
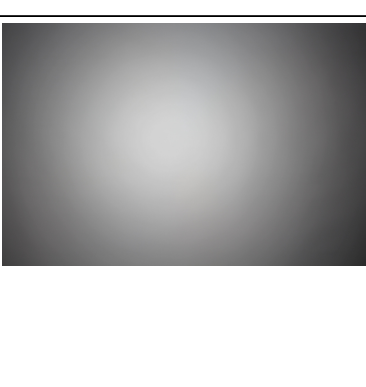
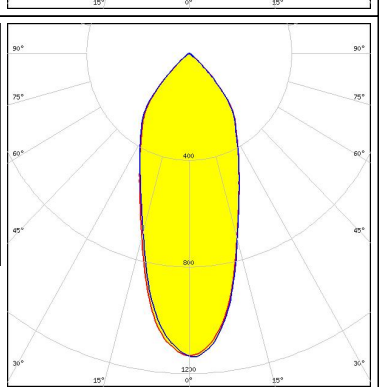
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S04H9</p> <p>FWHM / FWTM 43.0° / 92.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14658_BARBARA-RZ-LENS Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S04H9</p> <p>FWHM / FWTM 42.0° / 92.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB L04 / L05 (Gen2)</p> <p>FWHM / FWTM 50.0° / 94.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 637a Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB L04 / L05 (Gen2)</p> <p>FWHM / FWTM 48.0° / 94.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14658_BARBARA-RZ-LENS Bender Wirth: 637a Hekla</p>		


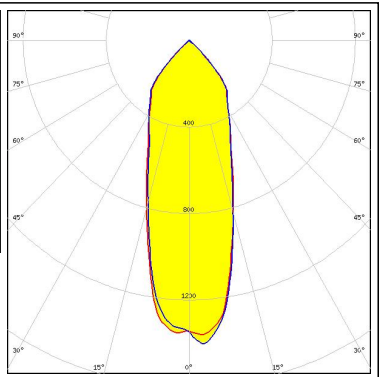

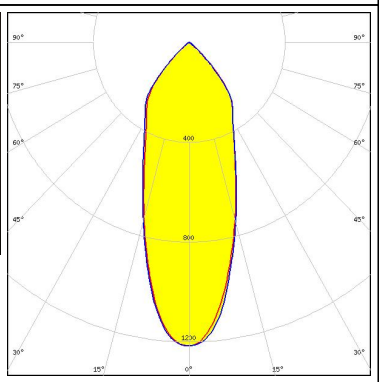

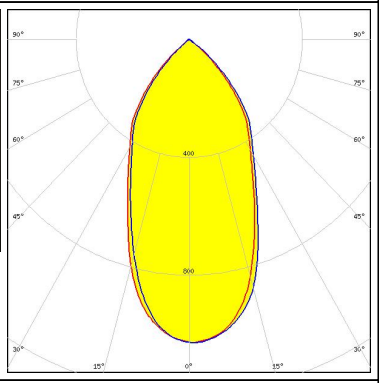

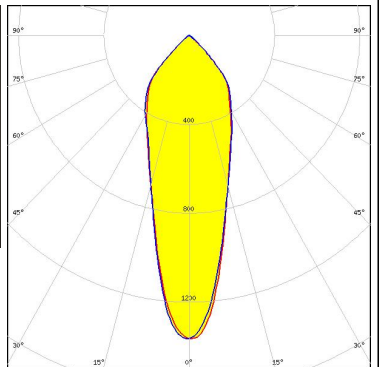
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB M02 / M03 (Gen2)</p> <p>FWHM / FWTM 37.0° / 91.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 641a Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB M02 / M03 (Gen2)</p> <p>FWHM / FWTM 40.0° / 91.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14658_BARBARA-RZ-LENS Bender Wirth: 641a Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB S01 (Gen2)</p> <p>FWHM / FWTM 25.0° / 89.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB S01 (Gen2)</p> <p>FWHM / FWTM 32.0° / 89.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14658_BARBARA-RZ-LENS Bender Wirth: 634c Hekla</p>		


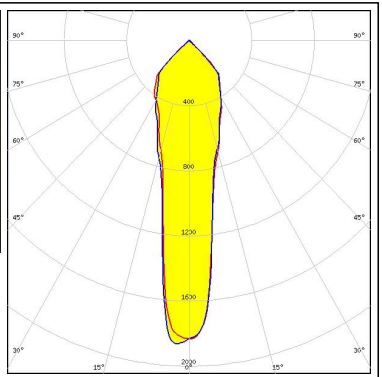

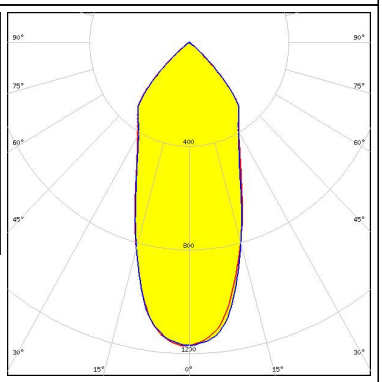
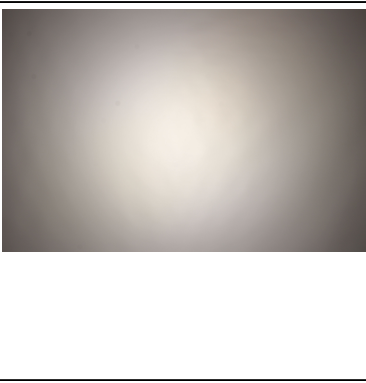
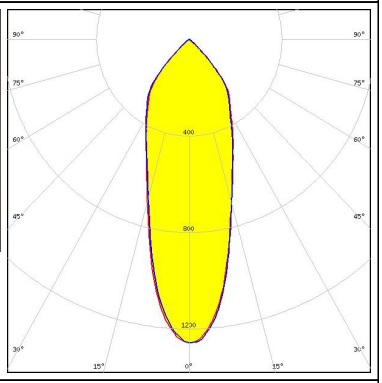

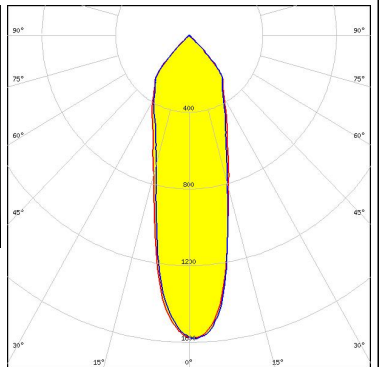
PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</p> <p>LED CDM-14 (Dim-To-Warm)</p> <p>FWHM / FWTM 51.0° / 95.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS <p>Bender Wirth: 491 Typ L8</p>		
<p>LUMINUS</p> <p>LED CDM-14 (Dim-To-Warm)</p> <p>FWHM / FWTM 46.0° / 93.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> C16142_HEKLA-SOCKET-K <p>Bender Wirth: 491 Typ L8</p>		
<p>LUMINUS</p> <p>LED CDM-6 (Dim-To-Warm)</p> <p>FWHM / FWTM 33.0° / 91.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS <p>Bender Wirth: 490 Typ L8</p>		
<p>LUMINUS</p> <p>LED CDM-9 (Dim-To-Warm)</p> <p>FWHM / FWTM 40.0° / 92.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <ul style="list-style-type: none"> C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS <p>Bender Wirth: 490 Typ L8</p>		

PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</p> <p>LED CDM-9 (Dim-To-Warm)</p> <p>FWHM / FWTM 35.0° / 90.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		
<p>LUMINUS</p> <p>LED CTM-9 (Tunable White)</p> <p>FWHM / FWTM 37.0° / 91.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 495 Typ L8</p>		
<p>LUMINUS</p> <p>LED CxM-14 (19x19)</p> <p>FWHM / FWTM 51.0° / 96.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		
<p>LUMINUS</p> <p>LED CXM-4</p> <p>FWHM / FWTM 31.0° / 92.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C C14658_BARBARA-RZ-LENS</p>		

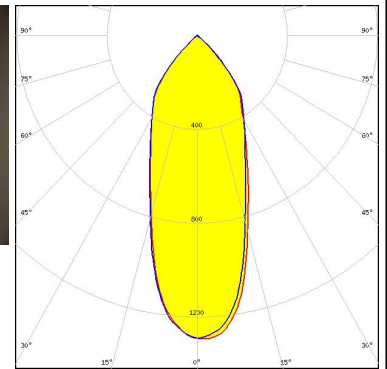
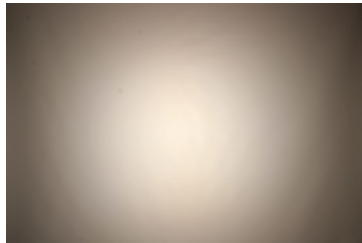
PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</p> <p>LED CXM-4 FWHM / FWTM 20.0° / 91.0° Efficiency 93 % Peak intensity 1.9 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		
<p>LUMINUS</p> <p>LED CxM-9 (13.5x13.5) FWHM / FWTM 43.0° / 95.0° Efficiency 94 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		
<p>NICHIA</p> <p>LED NJCWL024Z-V1MT: COB L-Type Tunable White FWHM / FWTM 34.0° / 90.0° Efficiency 81 % Peak intensity 1.3 cd/m LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K C14658_BARBARA-RZ-LENS Bender Wirth: 497 Typ L8</p>		
<p>NICHIA</p> <p>LED NJCWL024Z-V1MT: COB L-Type Tunable White FWHM / FWTM 29.0° / 88.0° Efficiency 87 % Peak intensity 1.6 cd/m LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 497 Typ L8</p>		

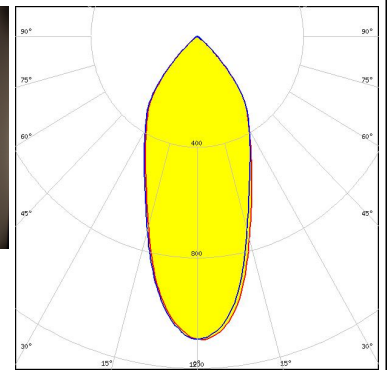
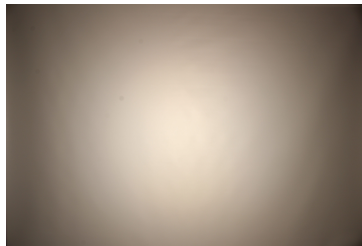
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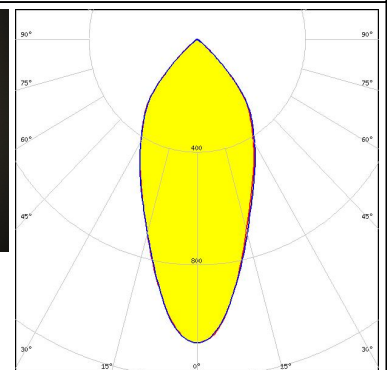
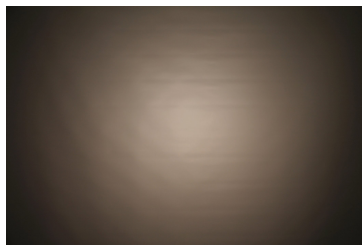
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 39.0° / 90.0°
 Efficiency 90 %
 Peak intensity 1.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 498 Typ L8



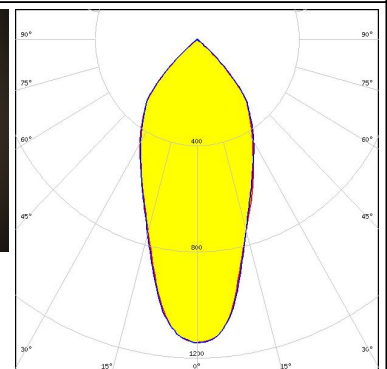
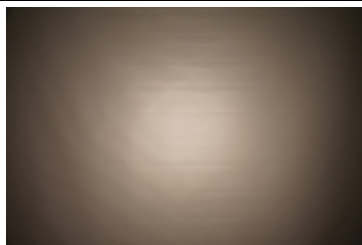
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 43.0° / 92.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 498 Typ L8



LED Fortimo SLM L09 CoB
 FWHM / FWTM 45.0° / 94.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H
 C14658_BARBARA-RZ-LENS



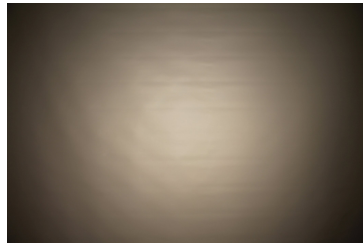
LED Fortimo SLM L09 CoB
 FWHM / FWTM 45.0° / 95.0°
 Efficiency 94 %
 Peak intensity 1.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



PHOTOMETRIC DATA (MEASURED):

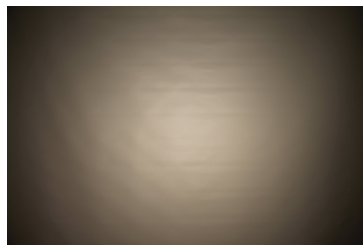
PHILIPS

LED Fortimo SLM L13 CoB
 FWHM / FWTM 51.0° / 93.0°
 Efficiency 90 %
 Peak intensity 1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 432 Typ L8



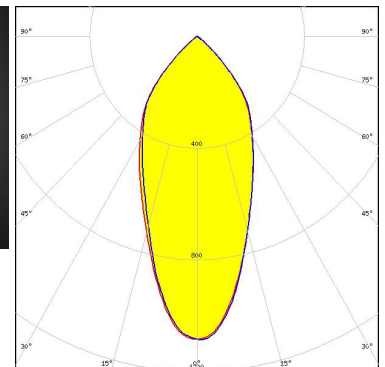
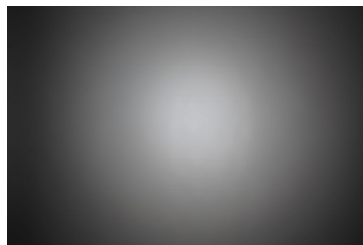
PHILIPS

LED Fortimo SLM L13 CoB
 FWHM / FWTM 53.0° / 95.0°
 Efficiency 84 %
 Peak intensity 0.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 432 Typ L8



SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 44.0° / 94.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



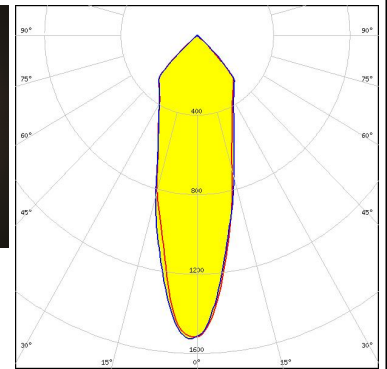
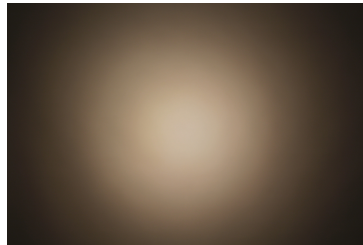
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 43.0° / 94.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C

PHOTOMETRIC DATA (MEASURED):

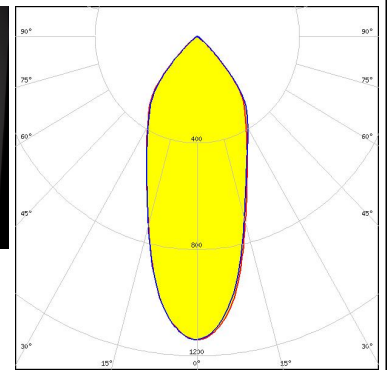
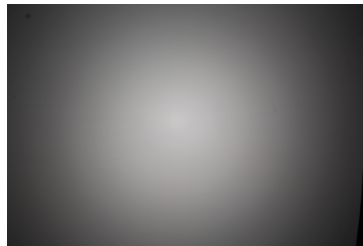
SAMSUNG

LED LC010C G2
 FWHM / FWTM 31.0° / 92.0°
 Efficiency 92 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



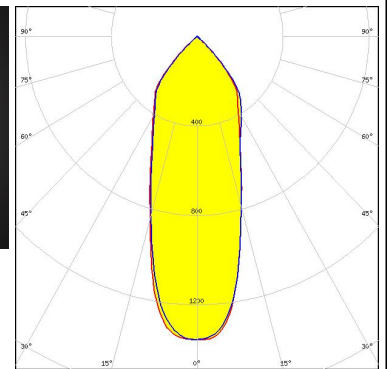
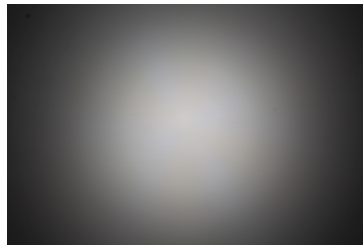
SAMSUNG

LED LC010T (Tunable White)
 FWHM / FWTM 40.0° / 92.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 501 Typ L8



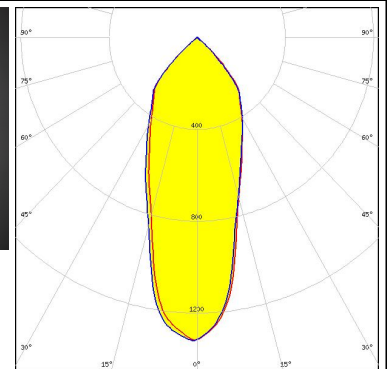
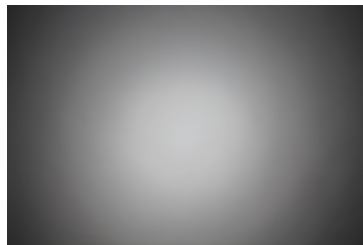
SAMSUNG

LED LC010T (Tunable White)
 FWHM / FWTM 37.0° / 90.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



SAMSUNG

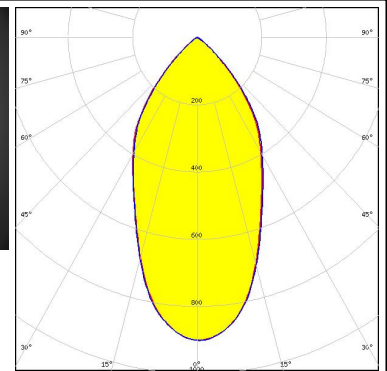
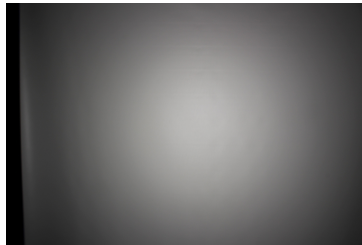
LED LC020C G2
 FWHM / FWTM 38.0° / 93.0°
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



PHOTOMETRIC DATA (MEASURED):

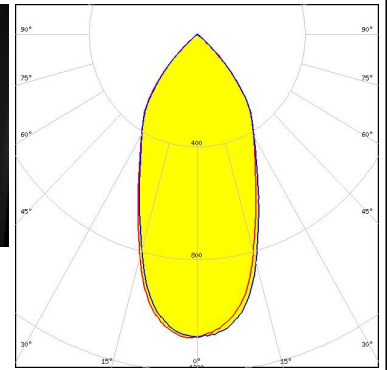
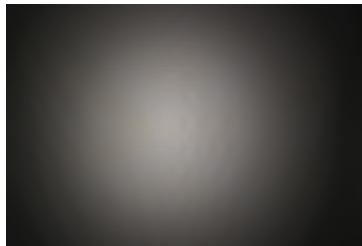
SAMSUNG

LED LC020T (Tunable white)
 FWHM / FWTM 53.0° / 96.0°
 Efficiency 83 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 501 Typ L8



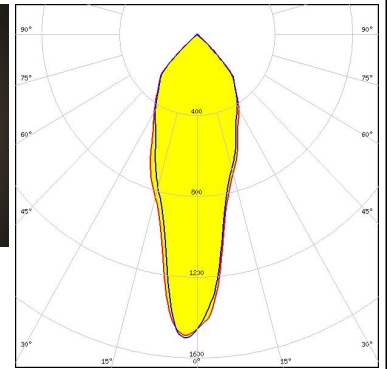
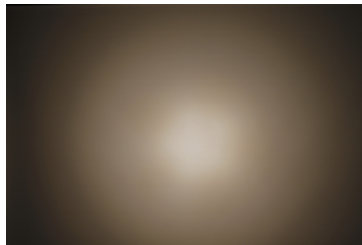
SAMSUNG

LED LC020T (Tunable white)
 FWHM / FWTM 48.0° / 93.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



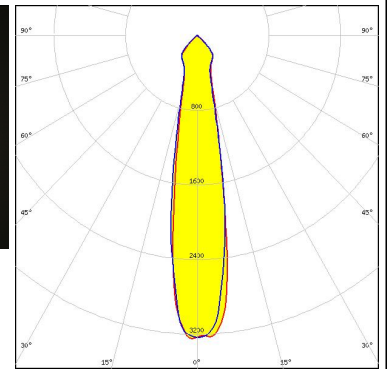
SEOUL SEMICONDUCTOR

LED MJT COB LES 6
 FWHM / FWTM 32.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



SEOUL SEMICONDUCTOR

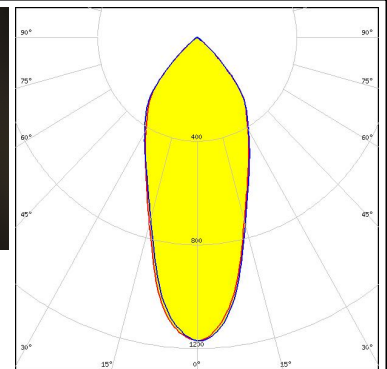
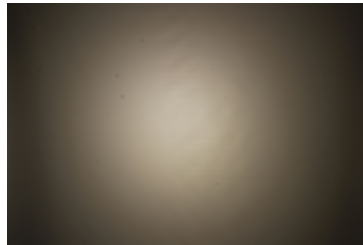
LED MJT COB LES 9.8
 FWHM / FWTM 20.0° / 59.0°
 Efficiency 92 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

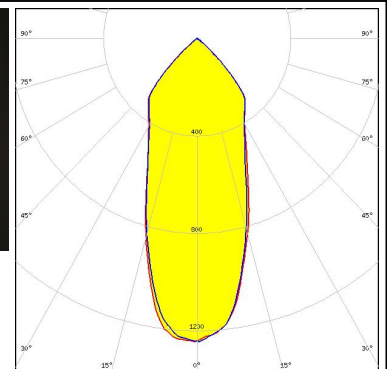
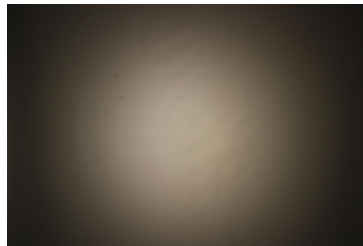
TRIDONIC

LED SLE G7 LES09
 FWHM / FWTM 41.0° / 93.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



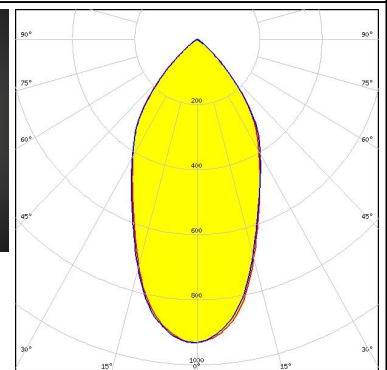
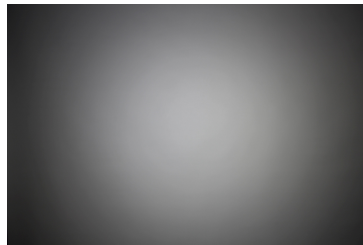
TRIDONIC

LED SLE G7 LES09
 FWHM / FWTM 40.0° / 95.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



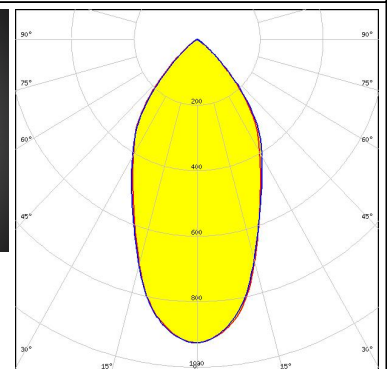
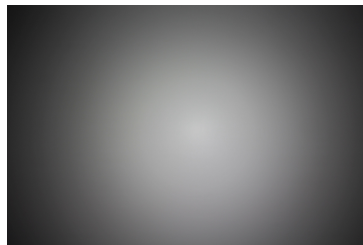
TRIDONIC

LED SLE G7 LES13
 FWHM / FWTM 53.0° / 96.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I
 C14658_BARBARA-RZ-LENS



TRIDONIC

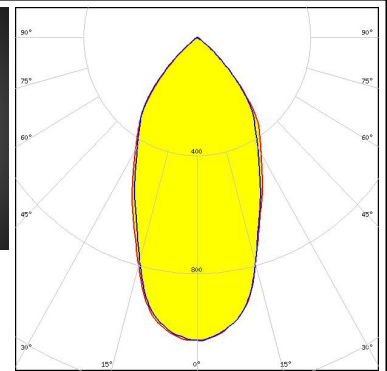
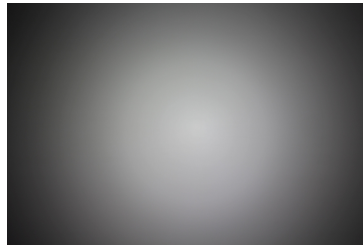
LED SLE G7 LES13
 FWHM / FWTM 53.0° / 96.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I
 C14658_BARBARA-RZ-LENS



PHOTOMETRIC DATA (MEASURED):

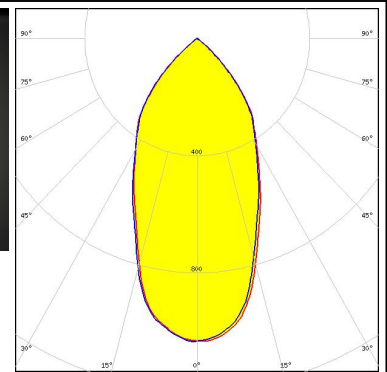
TRIDONIC

LED SLE G7 LES13
 FWHM / FWTM 52.0° / 96.0°
 Efficiency 93 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



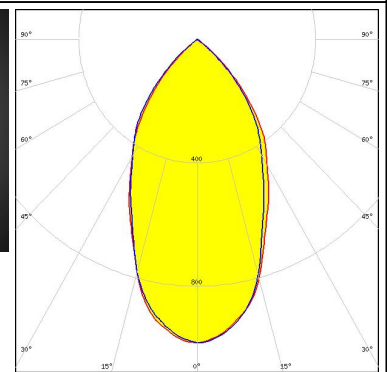
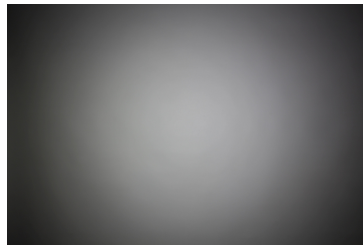
TRIDONIC

LED SLE G7 LES13
 FWHM / FWTM 51.0° / 96.0°
 Efficiency 93 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



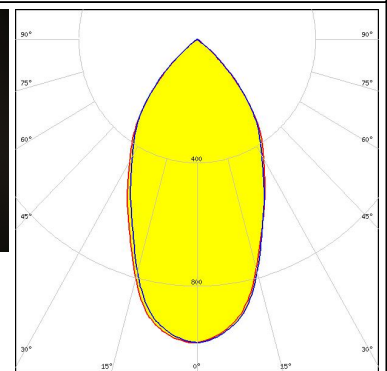
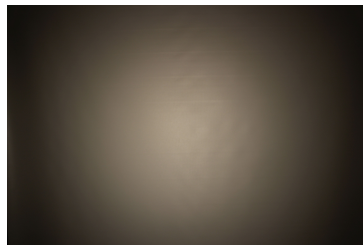
TRIDONIC

LED SLE G7 LES15
 FWHM / FWTM 55.0° / 97.0°
 Efficiency 93 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



XICATO

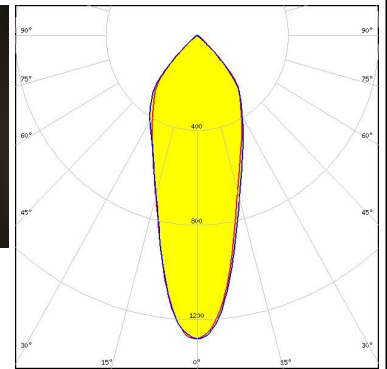
LED XOB 14.5 mm
 FWHM / FWTM 55.0° / 97.0°
 Efficiency 94 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



PHOTOMETRIC DATA (MEASURED):

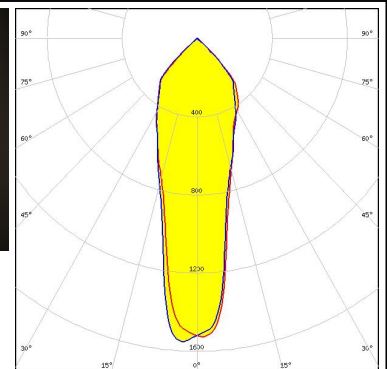
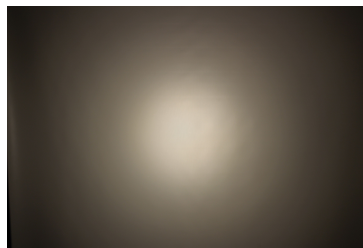
XICATO

LED XOB 6 mm
 FWHM / FWTM 34.0° / 92.0°
 Efficiency 87 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



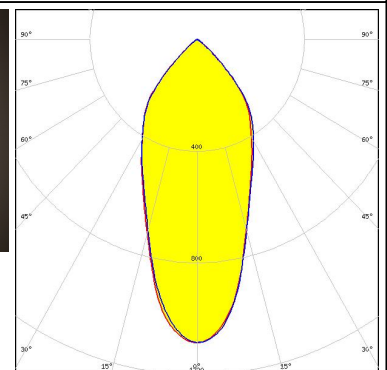
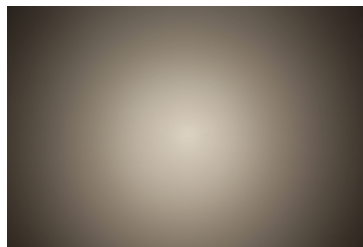
XICATO

LED XOB 6 mm
 FWHM / FWTM 27.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



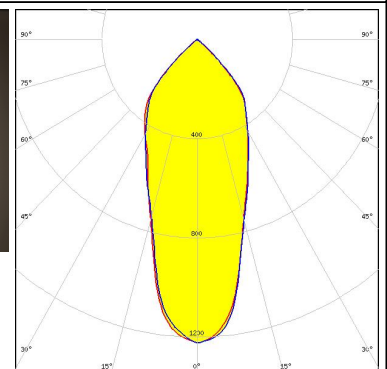
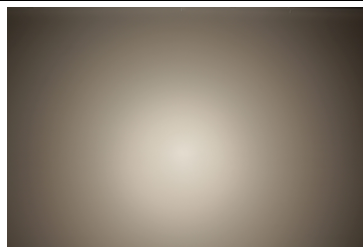
XICATO

LED XOB 9.8 mm
 FWHM / FWTM 44.0° / 95.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



XICATO

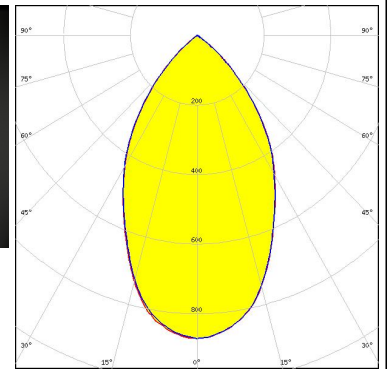
LED XOB 9.8 mm
 FWHM / FWTM 40.0° / 94.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

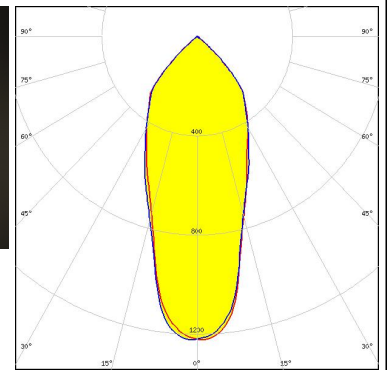
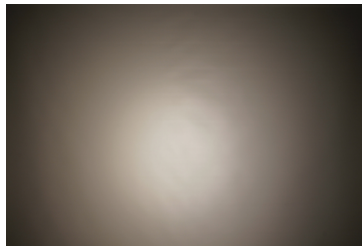
XICATO

LED XTM - 19mm LES
 FWHM / FWTM 62.0° / 99.0°
 Efficiency 91 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15743_XTM-ADAPTER-50-B



XICATO

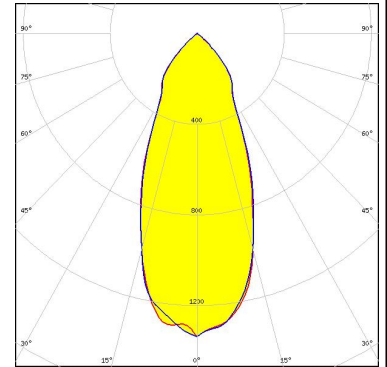
LED XTM - 9mm LES
 FWHM / FWTM 41.0° / 95.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15743_XTM-ADAPTER-50-B



PHOTOMETRIC DATA (SIMULATED):

bridgelux.

LED V13 Gen6
 FWHM / FWTM 44.0° / 90.0°
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F14988_HEKLA-SOCKET-E



bridgelux.

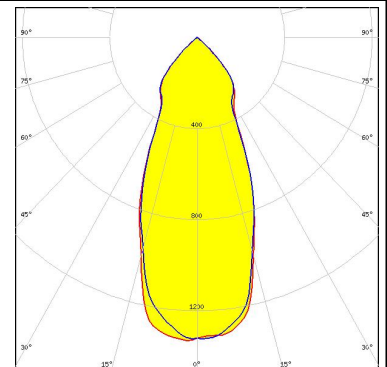
LED V8 Gen6
 FWHM / FWTM 42.5°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:
 F15253_HEKLA-SOCKET-A

bridgelux.

LED V8 Gen6
 FWHM / FWTM 42.5°
 Efficiency 0 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F15253_HEKLA-SOCKET-A

CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 43.0° / 91.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



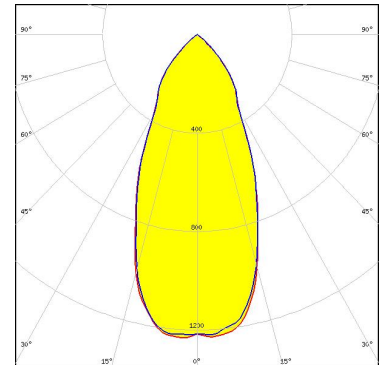
PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 45.0°
 Efficiency 0 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C

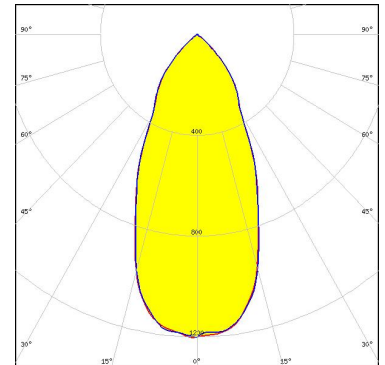
CITIZEN

LED CLL03x/CLU03x
 FWHM / FWTM 47.0° / 92.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



CITIZEN

LED CLL03x/CLU03x
 FWHM / FWTM 47.0° / 92.0°
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 46.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B

PHOTOMETRIC DATA (SIMULATED):



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 46.0°
 Efficiency 0 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



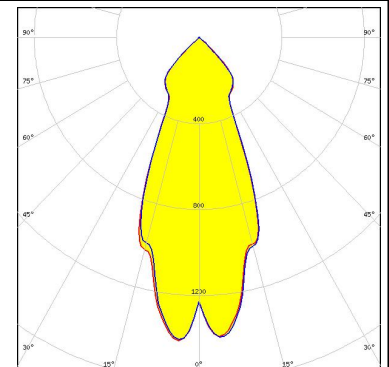
LED COB L-Type (LES 11)
 FWHM / FWTM 48.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



LED COB L-Type (LES 9)
 FWHM / FWTM 46.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



LED COB T-Type
 FWHM / FWTM 42.0° / 92.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED NFSWE11A FWHM / FWTM 46.0° / 91.0° Efficiency 86 % Peak intensity 1.2 cd/lm LEDs/each optic 30 Light colour White Required components: C16142_HEKLA-SOCKET-K</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Soleriq S13 19x19 FWHM / FWTM 43.8° / 90.5° Efficiency 93 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Soleriq S9 FWHM / FWTM 44.3° / 92.1° Efficiency 93 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>	
<p>SAMSUNG</p> <p>LED LC016D / LC019D / LC026D / LC033D FWHM / FWTM 49.5° / 92.4° Efficiency 88 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p>	

PHOTOMETRIC DATA (SIMULATED):



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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